

### ABSTRACT

Disclosed are a method and an apparatus for communicating with seven or more terminals in a Bluetooth system of a Wireless Personal Area Network (W-PAN). In the method and apparatus, a sniff mode allowing slaves to be in a sleep state for a Sniff Interval Time (SIT) is converted into an active mode for a service such that a master can efficiently communicate with seven or more slaves using conventional seven Active Member Addresses (AM\_ADDR).